

ABSTRACT OF THE DISCLOSURE

*Sub 28*

~~A linear motor includes a magnet, a coil, and a jacket having an inside comb-shaped member extending along a driving direction, wherein the coil is engaged by teeth of the comb-shaped member and wherein a cooling medium is flown through an inside space enclosed by the jacket. Unwanted deformation or breakage of the jacket can be avoided even if the pressure of the cooling medium is enlarged or the thickness of a small-thickness portion of the jacket is made smaller. A higher cooling efficiency is thus attainable by increasing the flow rate of the cooling medium.~~

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